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July 29, 2019

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

RE: Duke Energy Progress, LLC – Monthly Fuel Report
Docket No. 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of June 2019.

Should you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Service List

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item		June 2019
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	140,997,925
	MWH sales:		
2	Total System Sales		5,694,795
3	Less intersystem sales		356,939
4	Total sales less intersystem sales		5,337,856
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.6415
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.7517
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		818,207
8	Oil		5,633
9	Natural Gas - Combustion Turbine		99,143
10	Natural Gas - Combined Cycle		1,620,052
11	Biogas		1,044
12	Total Fossil		2,544,079
13	Nuclear		2,558,758
14	Hydro - Conventional		63,761
15	Solar Distributed Generation		25,771
16	Total MWH generation		5,192,369

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		June 2019
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	30,259,340
0501310 fuel oil consumed - steam		917,614
Total Steam Generation - Account 501		31,176,954
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		15,884,720
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		4,711,054
0547000 natural gas capacity - Combustion Turbine		510,114
0547000 natural gas consumed - Combined Cycle		33,517,905
0547000 natural gas capacity - Combined Cycle		10,574,663
0547106 biogas consumed - Combined Cycle		26,455
0547200 fuel oil consumed		37,909
Total Other Generation - Account 547		49,378,106
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		41,687,216
Fuel and fuel-related component of DERP purchases		78,925
PURPA purchased power capacity		8,143,896
DERP purchased power capacity		17,777
Total Purchased Power and Net Interchange - Account 555		49,927,814
Less:		
Fuel and fuel-related costs recovered through intersystem sales		6,756,114
Solar Integration Charge		1,115
Total Fuel Credits - Accounts 447/456		6,757,228
Total Costs Included in Base Fuel Component	$	139,610,366
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	1,641
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		1,449,280
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		42,927
Less emissions expense recovered through intersystem sales - Account 447		20,429
Total Costs Included in Environmental Component		1,387,565
Fuel and Fuel-related Costs excluding DERP incremental costs	$	140,997,925
DERP Incremental Costs		199,671
Total Fuel and Fuel-related Costs	$	141,197,596

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

JUNE 2019

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Virginia Electric and Power Company - Emergency	$ (86,520)	-	-	$ (52,777)	$ (33,743)
Broad River Energy, LLC.	5,992,444	$ 5,067,663	9,246	924,781	-
City of Fayetteville	923,170	898,425	200	24,745	-
Haywood EMC	34,136	28,300	168	5,836	-
NCEMC	2,764,761	2,245,222	15,165	519,539	-
PJM Interconnection, LLC.	(13,219)	-	-	(13,219)	-
Southern Company Services	3,720,887	1,146,600	87,268	2,574,287	-
DE Carolinas - Native Load Transfer	2,088,136	-	99,583	2,156,487	(68,351)
DE Carolinas - Native Load Transfer Benefit	335,144	-	-	335,144	-
DE Carolinas - Fees	106,474	-	-	106,474	-
Energy Imbalance	17,902		743	17,074	828
Generation Imbalance	249		29	230	19
	$ 15,883,564	**$ 9,386,210**	**212,402**	**$ 6,598,601**	**$ (101,247)**
Act 236 PURPA Purchases					
Renewable Energy	$ 22,284,606	-	332,903	$ 22,284,606	-
DERP Net Metering Excess Generation	10,493	-	245	10,493	-
DERP Qualifying Facilities	86,209	-	1,564	86,209	-
Other Qualifying Facilities	20,947,905	-	380,944	20,947,905	-
	$ 43,329,213	**$ -**	**715,656**	**$ 43,329,213**	**$ -**
Total Purchased Power	**$ 59,212,777**	**$ 9,386,210**	**928,058**	**$ 49,927,814**	**$ (101,247)**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

JUNE 2019

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 956,051	$ 652,500	9,718	$ 210,364	$ 93,187
PJM Interconnection, LLC.	77,042	-	5,607	100,810	(23,769)
Other:					
DE Carolinas - Native Load Transfer Benefit	578,790	-	-	578,790	-
DE Carolinas - Native Load Transfer	6,113,882	-	341,596	5,929,504	184,378
Generation Imbalance	(1)	-	18	-	(1)
Total Intersystem Sales	**$ 7,725,764**	**$ 652,500**	**356,939**	**$ 6,819,468**	**$ 253,795**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
June 2019

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,337,855,747
2	DERP Net Metered kWh generation	Input					1,901,372
3	Adjusted System kWh sales	L1 + L2					5,339,757,119
4	Actual S.C. Retail kWh sales	Input	178,608,854	27,634,750	292,146,307	6,415,895	504,805,806
5	DERP Net Metered kWh generation	Input	1,111,377	25,660	764,335		1,901,372
6	Adjusted S.C. Retail kWh sales	L4 + L5	179,720,231	27,660,410	292,910,642	6,415,895	506,707,178
7	Actual S.C. Demand units (kw)	L32 / 31b *100			652,600		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$120,284,983
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$60,957
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$120,345,940
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.254
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$4,050,484	$623,403	$6,601,537	$144,600	$11,420,024
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($37,127)	($3,880)	($19,950)	$0	($60,957)
14	S.C. Retail portion of incurred system expense	L12 + L13	$4,013,357	$619,523	$6,581,587	$144,600	$11,359,067
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.366	2.366	2.366	2.366	2.366
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$4,225,945	$653,838	$6,912,182	$151,800	$11,943,765
17	DERP NEM incentive - fuel component	Input	($8,411)	($879)	($4,520)	$0	($13,810)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$4,217,534	$652,959	$6,907,662	$151,800	$11,929,955
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($204,177)	($33,436)	($326,075)	($7,200)	($570,888)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($204,177)	($33,436)	($326,075)	($7,200)	($570,888)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.620	0.419			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			91		
23	Incurred S.C. base fuel - capacity expense	Input	$1,107,587	$115,753	$595,133		$1,818,473
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.676	0.426			
24b	Billed base fuel - capacity rate (¢/kW)	Input			88		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,207,159	$117,724	$574,285	$0	$1,899,168
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	($99,572)	($1,971)	$20,848	$0	($80,695)
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	($99,572)	($1,971)	$20,848	$0	($80,695)
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.045	0.030			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			7		
30	Incurred S.C. environmental expense	Input	$79,925	$8,353	$42,946		$131,224
31a	Billed environmental rates by class (¢/kWh)	Input	0.019	0.008			
31b	Billed environmental rate (¢/kW)	Input			1		
32	Billed S.C. environmental revenue	L31a * L4 /100	$33,680	$2,211	$6,526		$42,417
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	$46,245	$6,142	$36,420	$0	$88,807
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	$46,245	$6,142	$36,420	$0	$88,807
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.003	0.002			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.459		
37	Incurred S.C. DERP avoided cost expense	Input	$5,570	$582	$2,993		$9,145
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.003	0.001			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$5,318	$276	$0		$5,594
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	$252	$306	$2,993	$0	$3,551
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$252	$306	$2,993	$0	$3,551
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($257,252)	($28,959)	($265,814)	($7,200)	($559,225)

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$13,424,397					
March 2019 - actual	13,142,207	(113,956)	(15,296)	(148,555)	(4,383)	($282,190)
April 2019 - actual	12,482,712	(178,213)	(25,629)	(447,263)	(8,390)	(659,495)
May 2019 - actual	12,391,437	(39,695)	(9,623)	(40,702)	(1,255)	(91,275)
June 2019 - actual	11,820,549	(204,177)	(33,436)	(326,075)	(7,200)	(570,888)
_/2 July 2019 - forecast	12,338,866	175,892	24,673	310,406	7,346	518,317
_/2 August 2019 - forecast	12,500,337	55,384	7,575	96,241	2,271	161,471
_/2 September 2019 - forecast	11,198,892	(443,018)	(61,089)	(778,903)	(18,435)	(1,301,445)
_/2 October 2019 - forecast	10,515,097	(208,221)	(33,951)	(431,333)	(10,290)	(683,795)
_/2 November 2019 - forecast	10,288,980	(67,740)	(11,192)	(143,741)	(3,444)	(226,117)
_/2 December 2019 - forecast	9,319,303	(350,470)	(43,139)	(562,593)	(13,475)	(969,677)
_/2 January 2020 - forecast	8,488,790	(338,116)	(34,710)	(447,007)	(10,680)	(830,513)
_/2 February 2020 - forecast	7,374,355	(449,048)	(47,035)	(603,928)	(14,424)	(1,114,435)
_/2 March 2020 - forecast	6,523,454	(315,215)	(38,779)	(485,292)	(11,615)	(850,901)
_/2 April 2020 - forecast	4,373,944	(677,876)	(108,128)	(1,331,673)	(31,833)	(2,149,510)
_/2 May 2020 - forecast	3,202,531	(331,416)	(61,776)	(760,065)	(18,156)	(1,171,413)
_/2 June 2020 - forecast	$3,033,433	($53,326)	($8,490)	($104,793)	($2,489)	($169,098)

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$574,929					
March 2019 - actual	320,452	(158,950)	9,884	(105,411)	0	($254,477)
April 2019 - actual	800,238	332,772	51,683	95,331	0	479,786
May 2019 - actual	924,824	125,236	18,384	(19,034)	0	124,586
June 2019 - actual	844,129	(99,572)	(1,971)	20,848	0	(80,695)
_/2 July 2019 - forecast	587,455	(224,798)	(15,954)	(15,922)	0	(256,674)
_/2 August 2019 - forecast	231,387	(255,471)	(15,886)	(84,711)	0	(356,068)
_/2 September 2019 - forecast	(51,317)	(168,856)	(8,769)	(105,079)	0	(282,704)
_/2 October 2019 - forecast	146,064	180,206	6,049	11,126	0	197,381
_/2 November 2019 - forecast	331,318	190,144	5,337	(10,227)	0	185,254
_/2 December 2019 - forecast	(17,541)	(243,895)	(3,619)	(101,345)	0	(348,859)
_/2 January 2020 - forecast	(557,599)	(574,205)	(6,512)	40,659	0	(540,058)
_/2 February 2020 - forecast	(1,079,893)	(506,119)	(3,085)	(13,090)	0	(522,294)
_/2 March 2020 - forecast	(1,181,041)	(108,014)	14,689	(7,823)	0	(101,148)
_/2 April 2020 - forecast	(797,374)	256,657	19,529	107,481	0	383,667
_/2 May 2020 - forecast	(444,135)	350,538	12,041	(9,340)	0	353,239
_/2 June 2020 - forecast	($466,815)	$66,293	($565)	($88,408)	$0	($22,680)

Year 2019-2020

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$199,207					
March 2019 - actual	275,991	40,490	5,702	30,592	0	$76,784
April 2019 - actual	324,903	24,694	3,770	20,448	0	48,912
May 2019 - actual	427,128	57,448	6,955	37,822	0	102,225
June 2019 - actual	515,935	46,245	6,142	36,420	0	88,807
_/2 July 2019 - forecast	529,911	1,735	763	11,478	0	13,976
_/2 August 2019 - forecast	530,251	(3,301)	585	3,056	0	340
_/2 September 2019 - forecast	476,458	(31,749)	(2,586)	(19,458)	0	(53,793)
_/2 October 2019 - forecast	406,657	(35,480)	(5,289)	(29,032)	0	(69,801)
_/2 November 2019 - forecast	359,438	(19,873)	(3,838)	(23,508)	0	(47,219)
_/2 December 2019 - forecast	342,826	(12,901)	808	(4,519)	0	(16,612)
_/2 January 2020 - forecast	349,142	(22,042)	3,253	25,105	0	6,316
_/2 February 2020 - forecast	359,084	(13,629)	3,737	19,834	0	9,942
_/2 March 2020 - forecast	287,971	(47,707)	(2,388)	(21,018)	0	(71,113)
_/2 April 2020 - forecast	132,178	(91,875)	(10,585)	(53,333)	0	(155,793)
_/2 May 2020 - forecast	(271)	(65,502)	(9,693)	(57,254)	0	(132,449)
_/2 June 2020 - forecast	($73,361)	($35,263)	($4,701)	($33,126)	$0	($73,090)

Year 2019-2020

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$19,285					
March 2019 - actual	17,378	(2,803)	(12)	908	0	($1,907)
April 2019 - actual	21,605	1,112	352	2,763	0	4,227
May 2019 - actual	24,696	471	253	2,367	0	3,091
June 2019 - actual	$28,247	252	306	2,993	0	3,551
_/2 July 2019 - forecast	23,986	(3,139)	(504)	(618)	0	(4,261)
_/2 August 2019 - forecast	19,294	(3,316)	(511)	(865)	0	(4,692)
_/2 September 2019 - forecast	15,133	(2,832)	(460)	(869)	0	(4,161)
_/2 October 2019 - forecast	12,855	(1,396)	(387)	(495)	0	(2,278)
_/2 November 2019 - forecast	10,765	(1,206)	(367)	(517)	0	(2,090)
_/2 December 2019 - forecast	6,922	(2,767)	(373)	(703)	0	(3,843)
_/2 January 2020 - forecast	9,680	416	92	2,250	0	2,758
_/2 February 2020 - forecast	12,698	784	116	2,118	0	3,018
_/2 March 2020 - forecast	16,682	1,935	135	1,914	0	3,984
_/2 April 2020 - forecast	22,910	3,649	170	2,409	0	6,228
_/2 May 2020 - forecast	29,421	4,259	157	2,095	0	6,511
_/2 June 2020 - forecast	$33,649	$2,612	$51	$1,565	$0	$4,228

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
June 2019

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$121,615	$48,139	$29,917	$199,671
45	Billed S.C. DERP incremental rates by account ($/account)	Input	0.72	1.26	99.55	
46	Billed S.C. DERP incremental revenue	Input	$98,127	$40,042	$25,674	$163,843
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	$23,488	$8,097	$4,243	$35,828
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	$23,488	$8,097	$4,243	$35,828

Year 2019-2020

Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2019	$6,239	
March 2019 - actual	107,362	$101,123
April 2019 - actual	(62,019)	(169,381)
May 2019 - actual	13,138	75,157
June 2019 - actual	48,966	35,828
_/2 July 2019 - forecast	80,130	31,164
_/2 August 2019 - forecast	105,162	25,032
_/2 September 2019 - forecast	123,908	18,746
_/2 October 2019 - forecast	142,000	18,092
_/2 November 2019 - forecast	144,841	2,841
_/2 December 2019 - forecast	139,808	(5,033)
_/2 January 2020 - forecast	133,097	(6,711)
_/2 February 2020 - forecast	129,652	(3,445)
_/2 March 2020 - forecast	151,665	22,013
_/2 April 2020 - forecast	193,306	41,641
_/2 May 2020 - forecast	237,425	44,119
_/2 June 2020 - forecast	$285,799	$48,374

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.
_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.384 and RECD 5% discount.
_/2 Forecast amounts based on low end of range of expected fuel rates.

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$1,682,653	-	$19,053,327	$7,124,318
Oil	-	-	-	3,102	1,414	-	661,426	195,878
Gas - CC	-	15,322,833	11,863,312	-	-	-	-	-
Gas - CT	24	-	487,431	-	-	2,818,971	-	-
Biogas	-	-	-	-	-	-	-	-
Total	24	$15,322,833	$12,350,743	3,102	$1,684,067	$2,818,971	$19,714,753	$7,320,196
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	279.18	-	284.06	274.53
Oil	-	-	-	-	-	-	1,464.92	1,468.24
Gas - CC	-	371.92	432.02	-	-	-	-	-
Gas - CT	-	-	450.27	-	-	1,209.56	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	-	371.92	432.71	-	279.42	1,209.56	291.95	280.64
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$2,291,381	-	$20,066,077	$7,901,882
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	25,622	-	10,133	-	18,175	2,155	728,378	171,061
Gas - CC	-	15,322,833	11,863,312	-	-	-	-	-
Gas - CT	24	-	487,431	-	-	2,818,971	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	3,188,767	-	-	-	-
Total	$25,646	$15,322,833	$12,360,876	$3,188,767	$2,309,556	$2,821,126	$20,794,455	$8,072,943
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	321.42	-	350.27	317.02
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,590.44	-	1,948.65	-	1,503.31	1,517.61	1,465.67	1,502.91
Gas - CC	-	371.92	432.02	-	-	-	-	-
Gas - CT	-	-	450.27	-	-	1,209.56	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	55.67	-	-	-	-
Weighted Average	1,591.93	371.92	432.98	55.67	323.42	1,209.75	359.86	322.41
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	4.30	-	3.72	3.51
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	142.34	-	19.02	-	19.27	16.58	15.71	16.63
Gas - CC	-	2.74	3.11	-	-	-	-	-
Gas - CT	-	-	4.40	-	-	13.68	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.58	-	-	-	-
Weighted Average	142.48	2.74	3.15	0.58	4.32	13.68	3.82	3.57
Burned MBTU's								
Coal	-	-	-	-	712,890	-	5,728,750	2,492,558
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,611	-	520	-	1,209	142	49,696	11,382
Gas - CC	-	4,119,938	2,746,041	-	-	-	-	-
Gas - CT	-	-	108,254	-	-	233,057	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	5,727,741	-	-	-	-
Total	1,611	4,119,938	2,854,815	5,727,741	714,099	233,199	5,778,446	2,503,940
Net Generation (mWh)								
Coal	-	-	-	-	53,320	-	539,582	225,306
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	18	-	53	-	94	13	4,636	1,029
Gas - CC	-	559,579	380,902	-	-	-	-	-
Gas - CT	-	-	11,089	-	-	20,606	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	552,883	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	18	559,579	392,044	552,883	53,414	20,619	544,218	226,335
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$87,700	$34,825
Limestone	-	-	-	-	84,686	-	500,359	330,300
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	3,706	-	165,473	150,984
Urea	-	-	-	-	67,591	-	-	-
Total	-	-	-	-	$155,983	-	$753,532	516,109

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.
Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.
(A) Cents per MBTU is atypical for current month due to low output.

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME June 2019
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$27,860,298	$357,212,812
Oil	7,906	-	-	-	-	-	869,726	18,681,134
Gas - CC	-	-	-	-	16,906,423	-	44,092,568	557,405,760
Gas - CT	-	-	26,488	5,472	1,882,782	-	5,221,168	166,193,823
Biogas	-	-	-	-	175,373	-	175,373	1,297,149
Total	7,906	-	$26,488	$5,472	$18,789,205	-	$78,219,133	$1,100,790,678
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	281.27	337.89
Oil	-	-	-	-	-	-	1,486.91	1,585.56
Gas - CC	-	-	-	-	336.40	-	370.79	417.08
Gas - CT	-	-	305.34	497.91	314.77	-	550.04	382.66
Biogas	-	-	-	-	2,855.77	-	2,855.77	2,902.55
Weighted Average	-	-	305.34	497.91	336.85	-	342.90	387.58
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$30,259,340	$303,477,600
Oil - CC	-	-	-	-	-	-	-	1,868
Oil - Steam/CT	-	-	-	-	-	-	955,524	15,826,874
Gas - CC	-	-	-	-	16,906,423	-	44,092,568	557,405,760
Gas - CT	-	-	26,488	5,472	1,882,782	-	5,221,168	166,193,823
Biogas	-	-	-	-	175,373	-	175,373	1,297,149
Nuclear	7,993,463	-	-	-	-	4,702,490	15,884,720	182,088,533
Total	$7,993,463	-	$26,488	$5,472	$18,964,578	$4,702,490	$96,588,693	$1,226,291,607
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	338.69	337.75
Oil - CC	-	-	-	-	-	-	-	1,653.10
Oil - Steam/CT	-	-	-	-	-	-	1,480.06	1,583.98
Gas - CC	-	-	-	-	336.40	-	370.79	417.08
Gas - CT	-	-	305.34	497.91	314.77	-	550.04	382.66
Biogas	-	-	-	-	2,855.77	-	2,855.77	2,902.55
Nuclear	57.40	-	-	-	-	64.95	59.07	61.48
Weighted Average	57.40	-	305.34	497.91	336.85	64.95	198.17	217.37
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.70	3.81
Oil - CC	-	-	-	-	-	-	-	16.98
Oil - Steam/CT	-	-	-	-	-	-	16.96	22.29
Gas - CC	-	-	-	-	2.49	-	2.72	2.97
Gas - CT	-	-	12.32	-	2.79	-	5.27	4.41
Biogas	-	-	-	-	16.80	-	16.80	19.73
Nuclear	0.61	-	-	-	-	0.68	0.62	0.64
Weighted Average	0.61	-	12.32	-	2.54	0.68	1.86	2.04
Burned MBTU's								
Coal	-	-	-	-	-	-	8,934,198	89,852,800
Oil - CC	-	-	-	-	-	-	-	113
Oil - Steam/CT	-	-	-	-	-	-	64,560	999,181
Gas - CC	-	-	-	-	5,025,654	-	11,891,633	133,643,270
Gas - CT	-	-	8,675	1,099	598,142	-	949,227	43,430,952
Biogas	-	-	-	-	6,141	-	6,141	44,690
Nuclear	13,925,185	-	-	-	-	7,240,526	26,893,452	296,180,618
Total	13,925,185	-	8,675	1,099	5,629,937	7,240,526	48,739,211	564,151,624
Net Generation (mWh)								
Coal	-	-	-	-	-	-	818,207	7,969,916
Oil - CC	-	-	-	-	-	-	-	11
Oil - Steam/CT	-	(50)	-	(161)	-	-	5,633	71,001
Gas - CC	-	-	-	-	679,571	-	1,620,052	18,790,806
Gas - CT	-	-	215	(134)	67,367	-	99,143	3,771,168
Biogas	-	-	-	-	1,044	-	1,044	6,575
Nuclear	1,314,015	-	-	-	-	691,860	2,558,758	28,358,959
Hydro (Total System)							63,761	820,381
Solar (Total System)							25,771	231,642
Total	1,314,015	(50)	215	(295)	747,982	691,860	5,192,369	60,020,459
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$23,656	-	$146,182	$1,679,519
Limestone	-	-	-	-	-	-	915,345	10,911,336
Re-emission Chemical	-	-	-	-	-	-	-	63,945
Sorbents	-	-	-	-	-	-	320,163	3,064,783
Urea	-	-	-	-	-	-	67,591	1,242,128
Total	-	-	-	-	$23,656	-	$1,449,280	$16,961,710

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
June 2019

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	76,398
Tons received during period	-	-	-	-	23,211
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	28,559
Ending balance	-	-	-	-	71,050
MBTUs per ton burned	-	-	-	-	24.96
Cost of ending inventory ($/ton)	-	-	-	-	80.23
Oil Data:					
Beginning balance	668,992	-	2,623,651	78,040	3,108,033
Gallons received during period	-	-	-	-	-
Miscellaneous use and adjustments	-	-	-	-	(3,098)
Gallons burned during period	11,508	-	3,613	-	9,640
Ending balance	657,484	-	2,620,038	78,040	3,095,295
Cost of ending inventory ($/gal)	2.23	-	2.80	2.40	2.11
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	3,992,832	2,766,919	-	225,750
MCF burned during period	-	3,992,832	2,766,919	-	225,750
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	15,212
Tons received during period	-	-	-	-	45
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	1,623
Ending balance	-	-	-	-	13,634
Cost of ending inventory ($/ton)	-	-	-	-	51.30

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
June 2019

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	1,187,652	463,154	-	-	-
Tons received during period	267,723	102,395	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	229,428	98,575	-	-	-
Ending balance	1,225,947	466,974	-	-	-
MBTUs per ton burned	24.97	25.29	-	-	-
Cost of ending inventory ($/ton)	87.45	80.16	-	-	-
Oil Data:					
Beginning balance	74,929	248,083	171,423	785,418	11,924,861
Gallons received during period	327,181	96,673	-	-	-
Miscellaneous use and adjustments	(14,857)	(3,104)	-	-	-
Gallons burned during period	358,545	82,469	10,461	-	-
Ending balance	28,708	259,183	160,962	785,418	11,924,861
Cost of ending inventory ($/gal)	2.03	2.07	2.40	2.37	2.40
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	8,401
MCF burned during period	-	-	-	-	8,401
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	77,255	13,262	-	-	-
Tons received during period	18,616	15,075	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	11,997	6,709	-	-	-
Ending balance	83,874	21,628	-	-	-
Cost of ending inventory ($/ton)	38.90	47.96	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
June 2019

Schedule 6
Page 3 of 3

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME June 2019
Coal Data:					
Beginning balance	-	-	-	1,727,204	1,188,219
Tons received during period	-	-	-	393,329	4,197,516
Inventory adjustments	-	-	-	-	(53,917)
Tons burned during period	-	-	-	356,562	3,567,847
Ending balance	-	-	-	1,763,971	1,763,971
MBTUs per ton burned	-	-	-	25.06	25.18
Cost of ending inventory ($/ton)	-	-	-	85.23	85.23
Oil Data:					
Beginning balance	10,402,992	8,174,365	287,238	38,548,025	37,599,680
Gallons received during period	-	-	-	423,854	8,537,729
Miscellaneous use and adjustments	-	-	-	(21,059)	(192,871)
Gallons burned during period	-	-	-	476,236	7,469,954
Ending balance	10,402,992	8,174,365	287,238	38,474,584	38,474,584
Cost of ending inventory ($/gal)	2.39	2.33	2.40	2.38	2.38
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	1,071	5,451,175	-	12,446,148	172,151,298
MCF burned during period	1,071	5,451,175	-	12,446,148	172,151,298
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	5,954	-	5,954	43,492
MCF burned during period	-	5,954	-	5,954	43,492
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	105,729	123,379
Tons received during period	-	-	-	33,736	231,210
Inventory adjustments	-	-	-	-	(3,989)
Tons consumed during period	-	-	-	20,329	231,464
Ending balance	-	-	-	119,136	119,136
Cost of ending inventory ($/ton)	-	-	-	41.96	41.96

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

JUNE 2019

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	$ 10,551	-
	CONTRACT	23,211	1,553,057	$ 66.91
	FIXED TRANSPORTATION/ADJUSTMENTS	-	119,045	-
	TOTAL	23,211	1,682,653	72.49
MAYO	SPOT	51,386	3,745,500	72.89
	CONTRACT	51,009	3,269,512	64.10
	FIXED TRANSPORTATION/ADJUSTMENTS	-	109,306	-
	TOTAL	102,395	7,124,318	69.58
ROXBORO	SPOT	77,039	5,702,109	74.02
	CONTRACT	190,684	12,712,949	66.67
	FIXED TRANSPORTATION/ADJUSTMENTS	-	638,269	-
	TOTAL	267,723	19,053,327	71.17
ALL PLANTS	SPOT	128,425	9,458,160	73.65
	CONTRACT	264,904	17,535,518	66.20
	FIXED TRANSPORTATION/ADJUSTMENTS	-	866,620	-
	TOTAL	393,329	$ 27,860,298	$ 70.83

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

JUNE 2019

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.14	7.62	12,983	2.42
MAYO	7.27	8.91	12,672	2.35
ROXBORO	6.42	9.97	12,527	1.61

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

JUNE 2019

	MAYO	ROXBORO
VENDOR	Greensboro Tank Farm	Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract
SULFUR CONTENT %	0	0
GALLONS RECEIVED	96,673	327,181
TOTAL DELIVERED COST	$ 195,878	$ 661,426
DELIVERED COST/GALLON	$ 2.03	$ 2.02
BTU/GALLON	138,000	138,000

Notes:

Sampling charges of $1,414 for the Asheville station as well as price adjustments of $7,906 at the Brunswick station and $3,102 at the Robinson station are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2018 - June, 2019
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,622,853	938	92.77	93.72
Brunswick 2	6,673,407	932	81.74	84.79
Harris 1	8,615,066	948	103.75	99.99
Robinson 2	5,447,633	741	83.92	80.79

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2018 through June, 2019
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,405,354	225	71.30	79.49
Lee Energy Complex	1B	1,402,008	227	70.51	78.48
Lee Energy Complex	1C	1,424,041	228	71.30	78.12
Lee Energy Complex	ST1	2,812,159	379	84.70	90.47
Lee Energy Complex	Block Total	7,043,562	1,059	75.93	82.91
Richmond County CC	7	1,241,061	192	73.99	81.93
Richmond County CC	8	1,236,047	192	73.69	81.87
Richmond County CC	ST4	1,394,508	179	89.20	90.42
Richmond County CC	9	1,252,254	216	66.18	73.54
Richmond County CC	10	1,255,676	216	66.36	72.97
Richmond County CC	ST5	1,627,047	248	74.89	80.27
Richmond County CC	Block Total	8,006,593	1,242	73.62	79.78
Sutton Energy Complex	1A	1,222,604	224	62.31	75.25
Sutton Energy Complex	1B	1,194,768	224	60.89	71.42
Sutton Energy Complex	ST1	1,329,864	271	56.02	70.37
Sutton Energy Complex	Block Total	3,747,236	719	59.49	72.22

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2018 through June, 2019

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,216,522	746	18.62	68.52
Roxboro 2	1,201,791	673	20.38	77.87
Roxboro 3	1,445,114	698	23.63	59.48
Roxboro 4	2,187,845	711	35.13	72.93

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2018 through June, 2019
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville	1	705,897	192	41.97	94.80
Asheville	2	568,332	192	33.79	93.68
Roxboro	1	692,062	380	20.79	92.87

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2018 through June, 2019
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	364,654	370	75.28
Blewett CT	-323	68	98.21
Darlington CT	143,022	805	92.73
Richmond County CT	2,812,047	934	90.00
Sutton Fast Start CT	181,254	98	87.83
Wayne County CT	293,807	963	95.44
Weatherspoon CT	59	164	94.30

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
July, 2018 through June, 2019
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	23,186	27.0	21.16
Marshall	-329	4.0	0.15
Tillery	312,698	84.0	92.18
Walters	484,826	113.0	73.33

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.